

45. The enzyme of claim 43, which has an amino acid sequence that is at least 85% identical to amino acids 1-456 or 1-617 of SEQ ID NO: 2.
46. The enzyme of claim 43, which has an amino acid sequence that is at least 90% identical to amino acids 1-456 or 1-617 of SEQ ID NO: 2.
47. The enzyme of claim 43, which has an amino acid sequence that is at least 95% identical to amino acids 1-456 or 1-617 of SEQ ID NO: 2.
48. The enzyme of claim 43, which has an amino acid sequence that is at least 98% identical to amino acids 1-456 or 1-617 of SEQ ID NO: 2.
49. The enzyme of claim 43, which comprises an amino acid sequence of amino acids 1-456 of SEQ ID NO: 2.
50. The enzyme of claim 43, which comprises an amino acid sequence of amino acids 1-617 of SEQ ID NO: 2.
51. The enzyme of claim 43, which consists of an amino acid sequence of amino acids 1-456 of SEQ ID NO: 2.
52. The enzyme of claim 43, which consists of an amino acid sequence of amino acids 1-617 of SEQ ID NO: 2.
53. The enzyme of claim 43, which is encoded by the endoglucanase encoding part of the DNA sequence obtainable from the plasmid in *Escherichia coli* DSM 12805.
54. The enzyme of claim 43, which is a *Bacillus licheniformis* enzyme.
55. The enzyme of claim 54, which is a *Bacillus licheniformis*, ATCC 14580 enzyme.
56. The enzyme of claim 43, which is active at a pH in the range of 4-11.

57. The enzyme of claim 56, which is active at a pH in the range of 5.5-10.5.

58. An enzyme composition comprising the enzyme of claim 43.

59. The composition of claim 58, which further comprises one or more enzymes selected from the group consisting of alpha-amylases, cellobiohydrolases, cellulases (endoglucanases), cutinases, beta-glucanases, glucoamylases, hemicellulases, laccases, ligninases, lipases, oxidases, pectate lyases, pectin acetyl esterases, pectinases, pectin lyases, pectin methylesterases, peroxidases, phenoloxidases, polygalacturonases, proteases, pullulanases, reductases, rhamnogalacturonases, xylanases, xyloglucanases, other mannanases, transglutaminases; and mixtures thereof.

60. A method for degradation of cellulose-containing biomass, comprising treating the biomass with an effective amount of the enzyme of claim 43.

61. An enzyme exhibiting beta-1,4-endoglucanase activity (EC 3.2.1.4) which has an amino acid sequence comprising amino acids 1-456 or 1-617 of SEQ ID NO: 2.